| Ir | ıdex ( | of Cl | aims |  |
|----|--------|-------|------|--|
|    |        |       |      |  |

Application/Control No.

10/087,826

Examiner

Midys Rojas

Reexamination CHEN ET AL.

Applicant(s)/Patent under

Art Unit

2185

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected Ν Interference

Appeal O Objected

| Cl           | aim   | Date    |          |              |                                     |            |          |          |                |                 |
|--------------|---|---------|----------|--------------|-------------------------------------|------------|----------|----------|----------------|-----------------|
| <del></del>  |   | , Date  |          |              |                                     |            |          |          |                |                 |
| Final        | Original  | 1/26/06 |          |              |                                     |            |          |          |                |                 |
| 1 2          | 1   | ш       |          |              |                                     |            |          |          |                |                 |
| 2            | 2   | =       |          | Γ.           |                                     |            |          |          |                |                 |
|              | 2   |         |          |              | Г                                   |            | Г        |          |                |                 |
|              | 2   |         |          |              |                                     |            |          |          |                |                 |
| 3            | 5   | 0       |          |              |                                     | Г          | ┌        | _        |                |                 |
|              | 5   |         | ┱        |              | ऻ                                   | Г          |          |          |                |                 |
| 4            | 7   | =       |          |              |                                     | T          | Г        |          |                |                 |
| 5<br>6       | 8   | п       |          | Г            |                                     | Г          |          |          |                |                 |
| 6            | 9   | =       |          |              | Г                                   |            |          |          |                |                 |
|              | 100   |         |          |              |                                     |            |          |          |                |                 |
|              | 12  |         |          |              |                                     |            |          |          |                |                 |
| 9            | 12  | ı,      |          |              |                                     | L          | L        |          |                |                 |
| 7            | 7<br>8<br>9<br>12<br>13<br>13<br>14<br>15<br>20<br>21<br>22<br>23<br>24<br>25 | =       |          | 匚            | 匚                                   |            | 匚        |          |                |                 |
|              | 12  |         |          |              | $\Box$                              | L          |          | L        |                |                 |
|              | 18  |         |          |              | L                                   |            |          |          | L              |                 |
|              | 16  |         |          | _            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |            |          |          | _              | Ш               |
|              | 17  | L_      | <u> </u> | <u> </u>     | <u> </u>                            | ╙          | <u> </u> |          | _              | :               |
|              | 18  |         | _        | _            | _                                   |            | _        |          | _              |                 |
|              | 18  |         | ļ        |              |                                     |            | <u> </u> |          |                | Щ               |
| 10<br>11     | 20  | =       |          | ⊢            |                                     |            | <u> </u> |          | <u> </u>       | L               |
| 11           | 21  | =       | <u> </u> | <u> </u>     |                                     | -          |          |          | <u> </u>       |                 |
|              | 1/2   |         | _        | -            |                                     | _          | _        | -        | <u> </u>       |                 |
|              | 23  |         |          | -            | _                                   | ⊢          | -        | $\vdash$ | H              |                 |
| <del> </del> | 25/   |         | ├        | -            |                                     | ⊢          | -        | -        | $\vdash$       |                 |
|              | 28  |         | $\vdash$ | <del> </del> | -                                   | ├          | -        | $\vdash$ | -              |                 |
| 8            | 27  | =       | $\vdash$ | $\vdash$     | ┝                                   | $\vdash$   | -        | $\vdash$ | -              |                 |
| ⊢⊸           | 28  | -       | $\vdash$ | ┢            | -                                   | $\vdash$   | -        | -        | _              |                 |
| <del> </del> | 27<br>28<br>29  |         | $\vdash$ | $\vdash$     | -                                   | $\vdash$   | -        | $\vdash$ |                |                 |
|              | 30  |         | -        |              | -                                   | _          | -        | $\vdash$ |                |                 |
|              | 31  |         |          |              | -                                   |            | -        | -        |                |                 |
|              | 32  |         |          |              |                                     |            | Н        |          |                | $\neg$          |
|              | 33  |         |          |              |                                     |            |          |          |                |                 |
|              | 30<br>31<br>32<br>33<br>34<br>35  |         |          |              |                                     |            |          |          |                | П               |
|              | 35  |         |          | Г            |                                     |            |          |          |                | П               |
|              | 36  |         |          |              |                                     |            |          |          |                |                 |
|              | 37  |         |          |              |                                     | Ĺ          |          |          |                |                 |
|              | 38<br>39  |         |          |              |                                     |            |          |          |                |                 |
|              | 39  |         |          |              |                                     | _          |          | _        |                |                 |
| <u> </u>     | 40  |         |          | <u> </u>     |                                     | <u> </u>   | _        | _        | Ш              |                 |
|              | 41  |         |          | _            |                                     | lacksquare | L        | <u> </u> | <u> </u>       | Ш               |
| <u> </u>     | 42  |         |          | $\vdash$     | <u> </u>                            | <u> </u>   |          |          | L              | Щ               |
| <u> </u>     | 43  |         |          |              | _                                   | <u> </u>   | <u> </u> |          | <u> </u>       | Щ               |
| <u> </u>     | 44  |         | _        | <u> </u>     | <u> </u>                            | <u> </u>   |          | _        | Н              | $\vdash \dashv$ |
| $\vdash$     | 45  |         |          | <del> </del> | _                                   | $\vdash$   | -        |          | $\vdash\vdash$ | $\vdash \dashv$ |
| $\vdash$     | 46<br>47  | -       |          | <u> </u>     | _                                   | $\vdash$   | <u> </u> | <u> </u> | Н              | $\vdash$        |
|              | 48  |         |          | <u> </u>     | $\vdash$                            | -          |          | -        | $\vdash$       |                 |
|              | 49  |         |          |              |                                     | -          |          | H        | $\vdash$       | -               |
|              | 50  | -       | _        | -            | -                                   | $\vdash$   |          |          | $\vdash$       | $\dashv$        |
|              | - UU  |         |          | 1            |                                     |            | 1        |          |                |                 |

| Cla      | Claim    |              | Date           |  |          |          |              |          |          |              |
|----------|----------|--------------|----------------|--|----------|----------|--------------|----------|----------|--------------|
| Final    | Original |              |                |  |          |          |              |          |          |              |
|          | 51       |              |                |  |          |          |              |          |          |              |
|          | 52       |              |                |  |          |          |              |          |          |              |
|          | 52<br>53 |              |                |  |          |          |              |          |          |              |
|          | 54       | L            |                |  |          |          |              |          |          |              |
|          | 55       |              |                |  |          |          |              | <u> </u> |          |              |
|          | 56       | _            |                |  | L        | _        |              | L        |          |              |
| ļ        | 57<br>58 | <u> </u>     | _              | <u> </u>   | <u> </u> | _        | $oxed{oxed}$ | ᆫ        |          | <u> </u>     |
| <u> </u> | 58       | _            | _              | ļ  | ļ        | <u> </u> | <u> </u>     |          |          | <u> </u>     |
| ļ        | 59       | _            | <u> </u>       |  | <u> </u> | <u> </u> | _            | _        |          | ļ            |
| <b></b>  | 60       |              | _              | _  | _        |          | <u> </u>     |          | ļ.,      | ļ            |
|          | 61       | <u> </u>     | <u> </u>       | <u> </u>   | ┡        | <u> </u> | _            | <u> </u> | _        | ļ            |
| <u> </u> | 62       | $\vdash$     | _              | -  | L        |          | <u> </u>     |          | _        | ⊢            |
| -        | 63       |              | ļ              | _  | <u> </u> |          | <u> </u>     | _        |          | <u> </u>     |
|          | 64<br>65 | <u> </u>     | <del>  -</del> | <u> </u>   | <u> </u> | ļ        |              |          | L        | _            |
| -        | 66       | -            | -              | ├—   |          |          | <u> </u>     |          | $\vdash$ | <del> </del> |
| -        | 67       | _            | _              | _  | _        | -        | -            | -        | ├-       | -            |
| -        | 68       |              | _              | $\vdash$   | _        |          |              | -        | ⊢        | -            |
|          | 69       | -            | -              | ⊢  | -        |          |              |          | $\vdash$ | -            |
|          | 70       | _            | _              |  | _        | -        |              | -        | -        | -            |
|          | 71       | -            |                | $\vdash$   |          |          |              | _        | $\vdash$ | -            |
|          | 71<br>72 | <del> </del> | -              | -  | -        |          |              | _        | $\vdash$ | -            |
|          | 73       | $\vdash$     | -              | _  | $\vdash$ |          |              |          |          |              |
|          | 74       | $\vdash$     | _              |  |          |          |              |          |          |              |
|          | 74<br>75 |              | $\vdash$       |  | Г        |          |              |          |          |              |
|          | 76       |              | _              |  |          |          |              |          |          |              |
|          | 77       |              |                |  |          |          |              |          |          |              |
|          | 78       |              |                |  |          |          |              |          |          |              |
|          | 79       |              |                |  |          |          |              |          |          |              |
| L        | 80       |              |                | L.,  |          |          |              |          |          |              |
|          | 81       |              |                | L  |          |          |              |          |          |              |
| <u> </u> | 82<br>83 |              |                | <u> </u>   |          |          |              |          | L        |              |
|          | 83       | <u> </u>     | ļ              | <u> </u>   | <u> </u> | $\vdash$ | _            | $\vdash$ | <u> </u> |              |
|          | 84<br>85 | L            | <u> </u>       |  |          | _        | -            | -        | -        |              |
|          | 85       | <u> </u>     | <u> </u>       | $\vdash$   | H        | <u> </u> |              | ļ        | -        | $\vdash$     |
|          | 86<br>87 | $\vdash$     |                | -  |          |          | H            | $\vdash$ | $\vdash$ | -            |
|          | 88       |              |                | <del>                                     </del> | -        | <u> </u> | -            | $\vdash$ | $\vdash$ | <del> </del> |
|          | 89       | $\vdash$     | $\vdash$       | -  | $\vdash$ | -        | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     |
| -        | 90       | $\vdash$     | -              | Ι  | $\vdash$ |          | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     |
|          | 91       |              | Н              | Н  |          |          | _            |          |          |              |
| $\Box$   | 92       |              |                |  | П        |          | П            |          |          |              |
|          | 93       |              | Т              |  | _        |          |              |          |          | _            |
|          | 94       |              |                | П  |          |          |              |          |          |              |
|          | 95       |              |                |  |          |          |              |          |          |              |
|          | 96       |              |                |  |          |          |              |          |          |              |
|          | 97       |              |                |  |          |          |              |          |          |              |
|          | 98       |              |                |  |          |          |              |          |          |              |
|          | 99       |              |                |  |          |          |              |          |          |              |

100

| Te   E   E   E   E   E   E   E   E   E  | Claim Date |         |          |  |  |  |          |  |  |  |                 |
|---|------------|---------|----------|--|--|--|----------|--|--|--|-----------------|
| 101   |            |         |          |  |  |  |          |  |  |  | П               |
| 101   | Final      | Origina |          |  |  |  |          |  |  |  |                 |
| 104   |            |         | _        |  |  | -  | -        | -  | -  | -  | $\vdash$        |
| 104   |            | 107     | -        | -  |  |  |          |  | ├—   | $\vdash$   | ┝╌┤             |
| 104   |            | 102     |          | ⊢  |  | -  |          |  | <del> </del>                                     | ⊢  | H               |
| 107   |            | 103     | _        | ⊢  | ┝  | -  | -        | -  |  |  | <del> </del>    |
| 107   |            | 105     |          |  | -  |  | -        | -  | -  | -  | $\vdash$        |
| 107   |            | 100     |          | $\vdash$   |  | $\vdash$   | ⊢        |  | $\vdash$   | -  | $\vdash$        |
| 109   |            | 100     | ┝        | $\vdash$   | -  | ┢  |          | -  |  |  | $\vdash$        |
| 109   |            | 107     |          |  | ╁  | -  |          | -  | ⊢  |  |                 |
| 112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149 | -          | 100     | ⊢        | ┝  | -  | <del> </del>                                     |          | -  | -  | $\vdash$   | Н               |
| 112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149 |            | 110     | ├        | -  | -  | $\vdash$   | $\vdash$ |  | H  | -  |                 |
| 112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149 |            | 111     |          |  | ┢  | ├  | -        | $\vdash$   | -  |  | $\vdash$        |
| 118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149                                     |            | 112     | $\vdash$ | $\vdash$   | <del>                                     </del> | <del>                                     </del> | +-       | <del>                                     </del> | -  | <del>                                     </del> | $\vdash$        |
| 118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149                                     |            | 113     | $\vdash$ |  | ╁  | $\vdash$   | $\vdash$ |  | -  |  | $\vdash$        |
| 118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149                                     |            | 114     | $\vdash$ |  |  | $\vdash$   |          | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$        |
| 118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149                                     |            | 115     | $\vdash$ |  | H  |  |          | -  | $\vdash$   | -  | Н               |
| 118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149                                     |            | 116     | $\vdash$ |  | $\vdash$   | $\vdash$   | H        | $\vdash$   | -  | <del> </del>                                     | $\vdash$        |
| 118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149                                     |            | 117     |          | -  | <u> </u>   | -  |          |  |  |  | $\forall$       |
| 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |            | 118     | -        | -  |  | $\vdash$   | ┢        | 1  | -  |  | H               |
| 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |            | 119     |          |  |  |  |          |  |  |  | $\vdash \vdash$ |
| 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |            | 120     |          | -  |  | -  |          | _  |  |  | H               |
| 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |            | 121     |          | $\vdash$   | <del> </del>                                     | -  | $\vdash$ | ┢  | -  |  | Н               |
| 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |            | 122     | -        | $\vdash$   | ├─   | $\vdash$   | H        | _  | $\vdash$   |  | H               |
| 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   | -          | 123     | -        | $\vdash$   | ├─   | <del>                                     </del> | _        | _  | $\vdash$   |  | Н               |
| 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |            | 124     | -        | -  | -  | $\vdash$   |          | ┢一   | $\vdash$   | ┝  | Н               |
| 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |            | 125     | $\vdash$ | -  |  | -  | -        | -  | -  | $\vdash$   | $\vdash$        |
| 134   |            | 126     |          | -  |  | -  | $\vdash$ | $\vdash$   | ┢╾   | -  | Н               |
| 134   |            | 127     |          |  |  | -  |          |  | $\vdash$   | <del>                                     </del> | Н               |
| 134   |            | 128     | $\vdash$ |  |  |  |          | $\vdash$   | $\vdash$   | $\vdash$   | Н               |
| 134   |            | 129     |          | <del>                                     </del> |  |  |          |  |  | $\vdash$   | Н               |
| 134   |            | 130     |          | _  |  | _  |          | _  | _  |  | Н               |
| 134   |            | 131     |          |  |  | $\vdash$   | Г        | ┪  | $\vdash$   | Т  | П               |
| 134   |            | 132     | _        | _  |  | $\vdash$   | Г        |  |  | _  | Н               |
| 134   |            | 133     |          |  | _  | $\vdash$   | Г        |  | $\vdash$   | Т  | П               |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |            | 134     |          |  |  |  |          |  |  | Г  | П               |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |            | 135     |          |  |  |  |          |  |  | Г  | П               |
| 137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |            | 136     |          |  |  |  |          |  |  |  | П               |
| 140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149  |            | 137     |          |  |  |  |          |  |  |  | П               |
| 140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149  |            | 138     |          |  |  |  |          |  |  |  |                 |
| 140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149  |            | 139     |          |  |  |  |          |  |  |  |                 |
| 142   |            | 140     |          |  |  |  |          |  |  |  |                 |
| 142   |            | 141     |          |  |  |  |          |  |  |  |                 |
| 143   |            | 142     |          |  |  |  |          |  |  |  |                 |
| 145   |            | 143     |          |  |  |  |          |  |  |  |                 |
| 145   |            | 144     |          |  |  |  |          |  |  |  |                 |
| 147<br>148<br>149   |            | 145     |          |  |  |  |          |  |  |  |                 |
| 148   |            | 146     |          |  |  |  |          |  |  |  |                 |
| 149   |            | 147     |          |  |  |  |          |  |  |  |                 |
|   |            |         |          |  |  |  |          |  |  |  |                 |
|   |            |         |          |  |  |  |          |  |  |  |                 |
|   |            |         |          |  |  |  |          |  |  |  |                 |